Title: SYSTEM AND METHOD FOR PROTECTING MULTIPLEXED ELEMENTS SHARING A SINGLE ELECTRICAL LINE

Inventor: Ganton et al.
Atty. Doc. No.: UTL 00258

Filling Date: September 5, 2003

App. Ser. No.: 10/656,025

REPLACEMENT SHEET

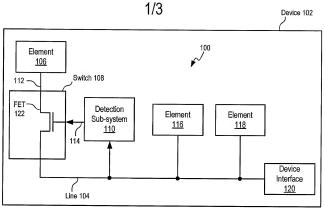
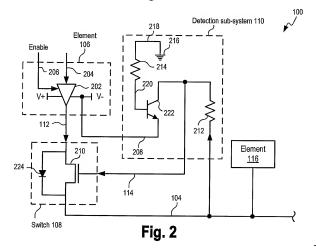


Fig. 1



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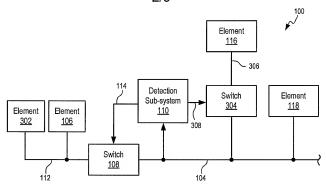


Fig. 3

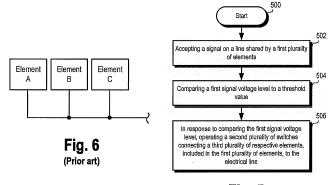


Fig. 5

Title: SYSTEM AND METHOD FOR PROTECTING MULTIPLEXED ELEMENTS SHARING A SINGLE ELECTRICAL LINE Filing Date: September 5, 2003 Inventor: Ganton et al. Atty. Doc. No.: UTL 00258 App. Ser. No.: 10/656,025 REPLACEMENT SHEET 3/3400 Start Connecting the electrical line to an electrical device interface port 402 Accepting a first signal on an electrical line shared by a plurality of elements 404 Evaluating the first signal 406 Comparing a voltage level for the first signal to a threshold value 407 Selecting the threshold value less than a maximum voltage level compatible with the first element 408 Identifying a first signal voltage level less than the threshold value 410 In response to evaluating the first signal, controllably connecting a first element to the electrical line 412 Controllably interfacing the first element in response to comparing the first signal voltage level to the threshold value 414 Operating a switch connecting the first element to the electrical line 416 Closing the switch to connect the first element to the

Fig. 4

line in response to identifying the first signal voltage level less than the threshold value